

Abstract

There is provided a slider displacement direction conversion mechanism in an electrostatic actuator which can convert the displacement direction of a slider in the perpendicular direction to a substrate surface, the mechanism comprises a slider which is displaced under the force from the electrostatic actuator generating the electrostatic force parallel to the substrate surface, and a plurality of elastic beams fixed to a substrate which supports the slider, the elastic beams are entirely or locally provided with displaceable members supporting the slider, and the displaceable member is easily displaced in the direction different from the displacement direction when the slider is subjected to the force in the displacement direction.

09970939-100501